

Converting to the Standard Recycling Rate

Use this worksheet to calculate a recycling rate based on the standard equation. The standard recycling rate incorporates standard definitions of municipal solid waste (MSW) and recycling in addition to the following universal equation:

This worksheet will help you subtract from your current recycling rate those waste management activities and waste materials that are outside the scope of the standard recycling rate. In addition, those waste materials and recycling activities not included in your current rate, but included in the standard rate and for which you have data, can be added using this worksheet.

How You Will Use The Information Obtained:

■ After converting to the standard recycling rate, you will be able to make consistent comparisons of your recycling efforts and the efforts of others.

Who Should Use This Worksheet:

■ State and local governments that currently have a recycling measurement system in place and have previously calculated a recycling rate.

What You Will Need:

- A list of the types of solid waste and recyclables included in your current recycling rate.
- Your definitions of the following terms:
 - Municipal Solid Waste
 - Recyclable materials (e.g., yard trimmings, tires, ferrous metal)
 - Recycling
- Standard definitions of the above terms from the Glossary (found on page 49 of the Guide).
- Scope of Materials Included in the Standard MSW Recycling Rate table (Table A, found on page 11 of the Guide).
- Scope of Activities Included in the Standard MSW Recycling Rate table (Table B, found on page 13 of the Guide).

Important Tips:

- ✓ In order to be consistent with the standard recycling rate, only solid waste defined as municipal solid waste in the attached Scope of MSW table can be included when calculating the amount of waste disposed of and recycled.
- ✓ Only MSW recycled according to the waste management activities outlined in the attached Scope of MSW Recycling table can be included when calculating the amount of waste recycled.

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I. Calculating Waste Disposal

IA.	Using the Scope of MSW table and the definition of MSW found in the Glossary, determine if there are
	any waste materials not included in your current recycling rate. Add those waste materials for which
	you have current disposal data and that are defined as MSW in the standard recycling rate. Enter the
	amount disposed of for these wastes below. Remember, add materials only if you already have current
	disposal data available.

ADDITIONAL MSW	AMOUNT DISPOSED OF (tons)
TOTAL ADDITIONAL MSW (tons)	

IB. Only MSW can be included in the standard recycling rate. The wastes listed in the table below are excluded from the definition of MSW in the standard recycling rate. Using your most recent data on waste disposal, fill in the annual amount disposed of for each excluded waste included in your current recycling rate. Refer to the Glossary and Scope of MSW table for further clarification of the terms used here. If you are unable to disaggregate these excluded wastes from your current data, use Worksheet B2, Part 3, to estimate the total amount of MSW generated.

IB. MATERIALS EXCLUDED FROM MSW	ANNUAL AMOUNT DISPOSED OF (tons)
Abatement Debris	
Agricultural Waste	
Asphalt	
Batteries From Aircraft, Military Vehicles, Boats, Heavy-Duty Trucks, and Tractors	
Combustion Ash	
Concrete	
Construction and Demolition Debris (C&D)	
Contaminated Soil	
Ferrous Metals From Transportation Equipment and C&D projects	
Food Processing Waste	
Glass From Transportation Equipment and C&D Projects	
Industrial Sludges	

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IB. MATERIALS EXCLUDED FR	OM MSW		ANNUAL AMOUNT DISPOSED OF (tons)
Mining Waste			
Municipal Sludges			
Natural Disaster Debris			
Nonferrous Metals From Ir	ndustrial or Construction Sc	ources	
Oil and Gas Waste			
Plastics From Transportation	on Equipment		
Preconsumer Waste			
Used Oil			
Wood From C&D Activitie	S		
TOTAL EXCLUDED WASTES	S (tons)		
IC. Total MSW Disposed	Of		
Total Waste Disposed Of (based on your most recent data)	Total Additional MSW (from 1A)	Total Excluded Wastes (from 1B)	Total MSW Disposed Of (tons)

2. Calculating Recycling

2A. Using the Scope of MSW Recycling table, determine if there are recycling activities that can be added to your current recycling rate. *If you have current data for a recycling activity listed in the table*, and it is not included in your current rate, specify the type and amount of material recycled below. Remember, add materials only if you already have current recycling data available.

2A. RECYCLABLE MATERIAL	TOTAL (tons)
Commingled Materials	
Food Waste	
Glass Containers:	
Clear	
Amber	
Green	
Mixed Glass	
Other Glass	
Subtotal Glass	
Lead-Acid Batteries	



2A. RECYCLABLE MATERIAL	TOTAL (tons)
Metals:	
Aluminum Cans	
Tin/Steel Cans	
Major Appliances	
Other Ferrous	
Other Nonferrous	
Mixed Metals	
Subtotal Metals	
Paper:	
Old Magazines	
Old Newspaper	
Old Corrugated Containers	
Office Papers	
Telephone Directories	
Mixed Paper	
Other Paper	
Subtotal Paper	
Plastic:	•
PETE	
HDPE	
PVC	
LDPE	
PP	
PS	
Mixed Plastic	
Other Plastic	
Subtotal Plastic	
Textiles	
Tires	
Wood:	-
Wood Packaging	
Other Wood	
Subtotal Wood	

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2A. RECYCLABLE MATERIAL		TOTAL (tons)	
Yard Trimmings:			
Brush and Branches			
Grass			
Leaves			
Tree Stumps			
Mixed Yard Trimmings			
Subtotal Yard Trimmings			
Other Recyclables:		-	
Subtotal Other Recyclables			
TOTAL (tons)			
Glossary and Scope of ACTIVITIES EXCLUDED FR	MSW Recycling table for fur	ther clarification of the term AMOUNT RECO	
STANDARD RECYCLING RA			
<u>*</u>	ard Trimmings and Food Wa	ste	
Combustion			
Grasscycling			
Mulching of Tree Stumps F	From C&D Debris		
Recycling of Materials Excl	uded From MSW (from 1B)		
Reuse (see Scope of MSW	' Recycling table)		
Source Reduction			
TOTAL (tons)			
2C. Total MSW Recycled			
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Total Waste Recycled (based on your most recent data)	Total Additional Recycling (from 2A)	Total Excluded Amount (from 2B)	Total MSW Recycled (tons)

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3. Calculating a Standard Recycling Rate

3A. MSW Recycling Rate (%)